

## ABSTRACT

The present invention provides a method for supporting frame priority in a home phone line network. The method includes: detecting a limited automatic repeat request (LARQ) header in a frame with a priority tag; stripping the LARQ header and a frame check sequence (FCS) in the frame with the priority tag; recalculating the FCS for the stripped frame with the priority tag; and adding the recalculated FCS to the stripped frame with the priority tag. The method strips the LARQ header from a HPNA frame with the priority tag before it is sent to an Ethernet controller. By stripping the LARQ header, the Ethernet controller will correctly recognize the priority tag and send the frame to the appropriate priority queue. In this manner, frame priority is supported.